pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0087866**
Facility Type	**Industrial**	APS ID	**22854**
Major / Minor	**Minor**	Authorization ID	**1214714**

NPDES PERMIT FACT SHEET INDIVIDUAL INDUSTRIAL WASTE (IW) AND IW STORMWATER

Applicant and Facility Information

Applicant Name	**Texas Eastern Transmission LP**	Facility Name	**Texas Eastern Transmission LP - Entriken Compressor Station**
Applicant Address	5400 Westheimer Court Houston, TX 77056	Facility Address	16707 Little Valley Road James Creek, PA 16657-7204
Applicant Contact	Niti Tottempudi	Facility Contact	Kyle Alexander
Applicant Phone	(713) 627-5967	Facility Phone	(717) 540-8303
Client ID	82786	Site ID	442883
SIC Code	4922	Municipality	Todd Township
SIC Description	Trans. & Utilities - Natural Gas Transmission	County	Huntingdon
Date Application Received	December 1, 2017	EPA Waived?	Yes
Date Application Accepted	February 5, 2018	If No, Reason	
Purpose of Application	NPDES Renewal.		

Summary of Review

This is a renewal application of NPDES Permit No PA0087866 for the Texas Eastern Transmission, LP (Texas Eastern) Entriken Compressor Station for the discharge of treated groundwater from a groundwater treatment system (GWTS) which treats PCB-impacted groundwater collected from seeps and springs. Condensate from air compressor systems is collected twice per year in a 50-gallon drum and pumped through the treatment system.

Historic use of PCB lubricating oils in operations of Entriken Compressor Station has caused PCBs to migrate to the groundwater.

The GWTS was installed in May 1994 as part of the Consent Order and Adjudication between Texas Eastern and the State of Pennsylvania as an “interim measure” to address the potential groundwater impact of PCBs. In August 1996, a NPDES permit was received from PADEP and the GWTS became a “permanent measure”.

The water filtration system was designed to remove small amounts of polychlorinated biphenyls (PCBs) from the water. The sources of water to be treated are:

1. Contaminated groundwater from Seeps 01 and 04.
2. Contaminated groundwater from the compressor building French drains.
3. Stormwater from secondary containment dikes.
4. Air compressor condensate.
5. Hydrostatic test water from on-site pipe and equipment testing.
6. Contaminated groundwater from intermittent remedial activities.

Approve	Deny	Signatures	Date
x		*Brenda J Fruchtl* Brenda J. Fruchtl, P.G. / Licensed Professional Geologist	July 22, 2020
X		*Scott M Arwood* Scott M. Arwood, P.E. / Environmental Engineer Manager	7/22/2020

Summary of Review

The water to be treated from Seep 01 and 04 is pumped from a catch basin to the pump tank in the wastewater treatment building. Another catch basin near the compressor building collects the French drain water and it is pumped to the pump tank in the wastewater building. The water is treated by the GWTS prior to discharge to Outfall 001.

It is expected to run for the foreseeable future.

The location of the GWTS, seeps, French drain collection sump, and Outfall 001 are shown on Figure 1: Wastewater Treatment Unit Location and Utility Configuration (received via June 15, 2020 email from permittee).

The location of Outfall 001 in relation to the unnamed tributary to Great Trough Creek is shown in Figure 2: Outfall 001 Location Map (received via June 15, 2020 email from permittee).

Timeline of application

Currently, the facility is covered under NPDES Permit No PA0087866, which expired on May 31, 2018.
The renewal application was received on December 1, 2017.

The application was accepted as complete on 2/5/2018.

February 26, 2020, as part of the Technical Review, PADEP sent an email requesting information on any changes that may have occurred since the renewal application was received December 1, 2017, including a table summarizing the past 3 years' worth of quarterly influent and effluent data for the GWTS along with the most recent annual report, if it exists.

March 5, 2020, PADEP received a response from the permittee that there have been no changes to the treatment system, treatment process, discharge rate, or contact information since the permit renewal application was submitted in December 2017. They also submitted a table as requested summarizing the influent and effluent results for PCB for the time period of January 9, 2017 through October 31, 2019.

On May 4, 2020, as part of the technical review, PADEP sent an email requesting a site plan that clearly shows the location of the seeps, catch basins, compressor building, catch basin for the French drains, GWTS, and Outfall 001 all on one site plan for clarity purposes; additional information regarding the distance of Outfall 001 from the UNT to Great Trough Creek; and a copy of the upgrade completion report dated March 7, 2017.

On June 15, 2020, PADEP received a responsive email addressing all the requests from May 4, 2020.

On July 1, 2020, PADEP sent an email requesting a revised latitude and longitude based on the site plan received June 15, 2020.

On July 21, 2020, PADEP received corrected coordinates for Outfall 001.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.023
Latitude	40º 18' 32"	Longitude	-78º 8' 15"
Wastewater Description:	Groundwater Cleanup Discharge		
Receiving Waters	Unnamed Tributary to Great Trough Creek (TSF, MF)	Stream Code	13462
NHD Com ID	65841017	RMI	0.6
Drainage Area	0.76 sq mi	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.017	Q_{7-10} Basis	StreamStats
Elevation (ft)	1160	Slope (ft/ft)	
Watershed No.	11-D	Chapter 93 Class.	TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Lake Raystown 7 Points Recreation Area		
PWS Waters	Raystown Branch Juniata River (Raystown Lake)	Location	Penn Twp, Huntingdon Co
PWS RMI	15.5	Distance from Outfall (mi)	~ 10

*USGS StreamStats: Pennsylvania. (Basin Delineation[1] from June 30, 2020, see Figure 3

Changes Since Last Permit Issuance:

- Change to Longitude from -78º 8' 21" to -78º 8' 15" per email response received 7/21/2020.
- Change in RMI based on information received from the permittee via email on June 15, 2020 showing the discharge path from Outfall 001 to Unnamed Tributary to Great Trough Creek via a 2710-foot drainage swale.

Other Comments:

- Outfall 001 discharges to a dry swale on the site and is approximately 2710 feet to unnamed tributary of the Great Trough Creek (receiving water).
- Basin Delineation and Receiving water information in above table is based on the location where the dry stream enters Unnamed Tributary to Great Trough Creek at RMI 0.63.

Treatment Facility Summary

Treatment Facility Name: Texas Eastern Transmission- Entriken Compressor Station Groundwater Treatment System (GWTS)

WQM Permit not issued for the treatment facility.

The design flow for the GWTS is 0.023 MGD.
Average flow during production / operation is 0.0020 MGD.
The Maximum flow during production / operation is 0.0092 MGD

The major components of the treatment unit are:

1. An oil/water separator tank;
2. A particulate pre-filter;
3. Two carbon filters in series; and
4. A particulate post-filter *(Note: this component was added in March 2017)*

The water to be treated is pumped through the filtration system. A float switch in the oil/water separator tank transfers water from the oil/water separator tank through the treatment system components. The first component is a pre-filter which contains one-micron filters and removes extremely fine particles. From the pre-filter, the water flows through a flow control valve and flow meter and then through a series of two carbon filters. The activated carbon removes PCBs dissolved in the water. The first activated carbon canister in the series should remove all detectable levels of PCBs. The second canister is backup. A post-filter which has a single 1-micron filter bag was installed in 2017 to remove any activated carbon fines. The design flow rate of the treatment system is 16 GPM. Outfall 001 is located at the final discharge from the treatment system. NPDES monitoring requirements are performed at this location.

Figure 4. Water Balance Diagram for the GWTS. (from the renewal application received December 1, 2017)

The method for handling and disposal of solid or liquid residue resulting from the following treatment units is to landfill: oil water separator, pre-filter, activated carbon filtration, and post-filter.

Changes Since Last Permit Issuance: The treatment facility upgrade was completed in March 2017. The upgrade was coordinated with PADEP. An upgrade completion report was submitted to the PADEP on March 7, 2017. No other upgrades are planned at this time.

Compliance History	
Summary of DMRs:	eDMR results from June 2013 to June 2020 **Flow.** Daily max ranged from 0.0016 MGD to 0.0104 MGD **PCBs.** Reported as < 0.5 ug/L (0.0005 mg/L) for Daily Max No permit limits were exceeded in the past 5 years. **pH** was reported consistently between 6.0 and 9.0 SU.
Summary of Inspections:	DEP conducted a compliance evaluation on 07/28/2015. No violations were noted.
Summary of Violations:	• There have been no Clean Water Program violations reported for this facility (Permit No PA0087866) since the last renewal. • There are not any open Clean Water Program violations for the facility. • There are open Air Quality violations for this facility.

Influent and Effluent Data

The following parameters are sampled quarterly in the influent and effluent to the remedial system: pH, PCB-1016, PCB-1221, PCB-1232, PCB-1242, PCB-1248, PCB-1254, PCB-1260, and Total PCB (Polychlorinated biphenyl).

Total PCB (specifically PCB-1248) is the only parameter detected in the quarterly influent samples since the permit was last renewed in 2013.

Summary of the quarterly sampling results for all forms of PCB for both the influent and effluent:

- See Figure 5: Entriken Compressor Station PCB Data 2014 - 2017 (submitted with the application)
- See Figure 6: Entriken Compressor Station PCB Data 2017 - 2019 (submitted via email on March 5, 2020)

Development of Effluent Limitations

Outfall No.	001	**Design Flow (MGD)**	0.023
Latitude	40º 18' 32.00"	**Longitude**	-78º 8' 21.00"

Wastewater Description: Groundwater Cleanup Discharge

Chemical Additives. None reported

Development of Effluent Limitations
The treated groundwater is discharged at Outfall 001 to a dry swale on the site and is approximately 2700 feet from the UNT of the Great Trough Creek.

Per Module 2 of the application, Total PCBs is the only parameter of concern present in the influent. Since the purpose of the groundwater treatment system is to treat for PCBs, limits for Total PCB will remain in the permit to evaluate the effectiveness of the treatment system.

It is recommended that the effluent limitations remain the same for PCBs.
The Average Quarterly effluent limitation for Total PCB is equal to the Maximum Contaminant Level (MCL) for PCBs of 0.0005 mg/L in order to protect groundwater since Outfall 001 discharges to a dry swale prior to entering UNT to Great Trough Creek approximately 0.5 miles away. Daily maximum and instantaneous maximum limits were calculated by the using the standard IW multipliers (i.e., 2.0 and 2.5).
The facility has not had any issues with obtaining the current limit of 0.0005 mg/L for Total PCB.

The current Total PCB limit is based on the guidance "Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers," Document Number 391-2000-014, released on April 12, 2008. According to this guidance in Section VI.B.2, an MCL has been promulgated for PCBs, therefore, the MCL for PCBs is the limit:

> *"If the hydrogeologist determines that the discharge may adversely impact groundwater use, applicable human health-related criteria should be imposed at the point of discharge. If an MCL has been promulgated for the pollutant of concern, the effluent limit should be set equal to the MCL value. If no MCL has been promulgated for the pollutant of concern, the effluent limit should be set equal to the human health-based criterion developed specifically for groundwater protection by the Bureau of Water Standards and Facility Regulation. These criteria will follow the guidelines for surface water criteria development, but with exposure conditions set to more accurately assess groundwater. Specifically, these include drinking water consumption of 2 L/d by a 70 kg person, and with an overall 10-6 lifetime risk management level (no fish consumption component will be applicable). If the hydrogeologist determines that groundwater uses will not be*
> *adversely impacted by a wastewater discharge, final treatment requirements and effluent limits will not be governed by the requirement to protect groundwater."*

It is recommended that pH limits remain the same to reflect PA Code 25 §95.2 stating wastes must have a pH of not less than 6 and not greater than 9.

Comparison of Effluent Limitations and Parameters from 2013 NPDES Permit and Draft NPDES Permit:

	2013 NPDES Permit Limits Renewal			**Proposed 2020 NPDES Permit Limits Renewal**		
Parameter	*Ave Monthly*	*Max Daily*	*Inst. Maximum*	**Ave Quarterly***	**Max Daily**	**Inst. Maximum**
Flow (MGD)	*xxx*	*xxx*	*xxx*	**xxx**	**xxx**	**xxx**
pH (SU)	*From 6.0 to 9.0 inclusive*			**From 6.0 to 9.0 inclusive**		
Total PCBs (mg/L)^	*0.0005*	*0.001*	*0.00125*	**0.0005**	**0.001**	**0.00125**

^ *from April 2006 MCLs*
**changed limit from Average Monthly to Average Quarterly since the treatment system is only required to be sampled on a quarterly basis.*

PART C SPECIAL CONDITIONS

I. OTHER REQUIREMENTS (Standard language – as applicable)

A. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance or replacement of all structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.

B. Collected screenings, slurries, sludges, and other solids shall be handled, recycled and/or disposed of in compliance with the Solid Waste Management Act (35 P.S. §§ 6018.101 – 6018.1003), 25 Pa. Code Chapters 287, 288, 289, 291, 295, 297, and 299 (relating to requirements for landfilling, impoundments, land application, composting, processing, and storage of residual waste), Chapters 261a, 262a, 263a, and 270a (related to identification of hazardous waste, requirements for generators and transporters, and hazardous waste, requirements for generators and transporters, and hazardous waste permit programs), federal regulation 40 CFR Part 257, The Clean Streams Law, and the Federal Clean Water Act and its amendments. Screenings collected at intake structures shall be collected and managed and not be returned to the receiving waters.

The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport and disposal of solid waste materials generated as a result of wastewater treatment.

C. If the applicable standard or effluent guideline limitation relating to the application for Best Available Technology (BAT) Economically Achievable or to Best Conventional Technology (BCT) is developed by DEP or EPA for this type of industry, and if such standard or limitation is more stringent than the corresponding limitations of this permit (or if it controls pollutants not covered by this permit), DEP may modify or revoke and reissue the permit to conform with that standard or limitation.

II. GROUNDWATER CLEANUP – Activated Carbon Filtration

A. If the applicable standard or effluent guideline limitation relating to the application for Best Available Technology Economically Achievable (BAT) or to Best Conventional Technology (BCT) is developed by the Department, or by EPA for this type of industry, and if such standard or limitation is more stringent than the corresponding conditions of this permit (or if it controls pollutants not covered by this permit), then the Department reserves the right to modify, or to revoke and reissue the permit to conform with that standard or limitation.

B. Sludges and other solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapters 262, 263, and 264 (related to permits and requirements for landfilling and storage of hazardous sludge) and applicable federal regulations, the Federal Clean Water Act, RCRA and their amendments. The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport and disposal of solid waste materials generated as a result of wastewater treatment.

C. The permittee shall operate the treatment facilities approved herein on a continual basis. If accidental breakdown or normal periodic maintenance should cause cessation of operation, the permittee shall take satisfactory measures to ensure the treatment works are placed back in operation at the earliest possible time. The permittee shall orally report to the Department within 24 hours of an unanticipated temporary shutdown of the treatment facility that is longer than 24 hours in duration or at least 24 hours prior to an anticipated maintenance shutdown.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Quarterly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report Avg Qrtly	Report Daily Max	XXX	XXX	XXX	XXX	1/quarter	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/quarter	Grab
Total PCBs	XXX	XXX	XXX	0.0005	0.001	0.00125	1/quarter	Grab

Compliance Sampling Location: Outfall 001

Tools and References Used to Develop Permit	
☐	WQM for Windows Model (see Attachment)
☐	PENTOXSD for Windows Model (see Attachment)
☐	TRC Model Spreadsheet (see Attachment)
☐	Temperature Model Spreadsheet (see Attachment)
☐	Toxics Screening Analysis Spreadsheet (see Attachment)
☐	Water Quality Toxics Management Strategy, 361-0100-003, 4/06.
☐	Technical Guidance for the Development and Specification of Effluent Limitations, 362-0400-001, 10/97.
☐	Policy for Permitting Surface Water Diversions, 362-2000-003, 3/98.
☐	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 362-2000-008, 11/96.
☐	Technology-Based Control Requirements for Water Treatment Plant Wastes, 362-2183-003, 10/97.
☐	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 362-2183-004, 12/97.
☐	Pennsylvania CSO Policy, 385-2000-011, 9/08.
☐	Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.
☐	Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 391-2000-002, 4/97.
☐	Determining Water Quality-Based Effluent Limits, 391-2000-003, 12/97.
☐	Implementation Guidance Design Conditions, 391-2000-006, 9/97.
☐	Technical Reference Guide (TRG) WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen, Version 1.0, 391-2000-007, 6/2004.
☐	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 391-2000-008, 10/1997.
☐	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 391-2000-010, 3/99.
☐	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 391-2000-011, 5/2004.
☐	Implementation Guidance for Section 93.7 Ammonia Criteria, 391-2000-013, 11/97.
☒	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 391-2000-014, 4/2008.
☐	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 391-2000-015, 11/1994.
☐	Implementation Guidance for Temperature Criteria, 391-2000-017, 4/09.
☐	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 391-2000-018, 10/97.
☐	Implementation Guidance for Application of Section 93.5(e) for Potable Water Supply Protection Total Dissolved Solids, Nitrite-Nitrate, Non-Priority Pollutant Phenolics and Fluorides, 391-2000-019, 10/97.
☐	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 391-2000-021, 3/99.
☐	Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances, 391-2000-022, 3/1999.
☐	Design Stream Flows, 391-2000-023, 9/98.
☐	Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics, 391-2000-024, 10/98.
☐	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 391-3200-013, 6/97.
☐	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
☐	SOP:
☐	Other:

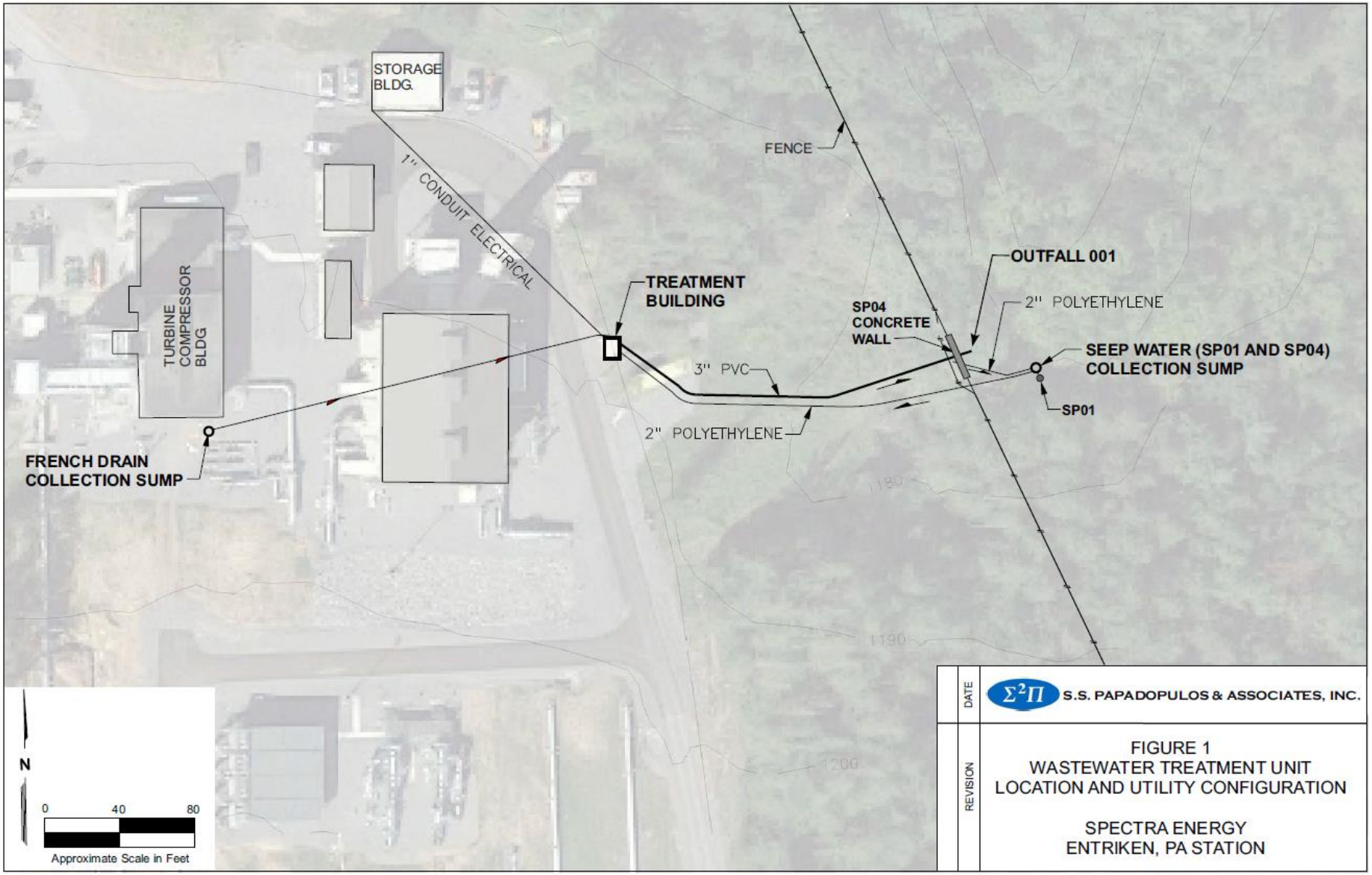


Figure 1. Wastewater Treatment Unit Location and Utility Configuration

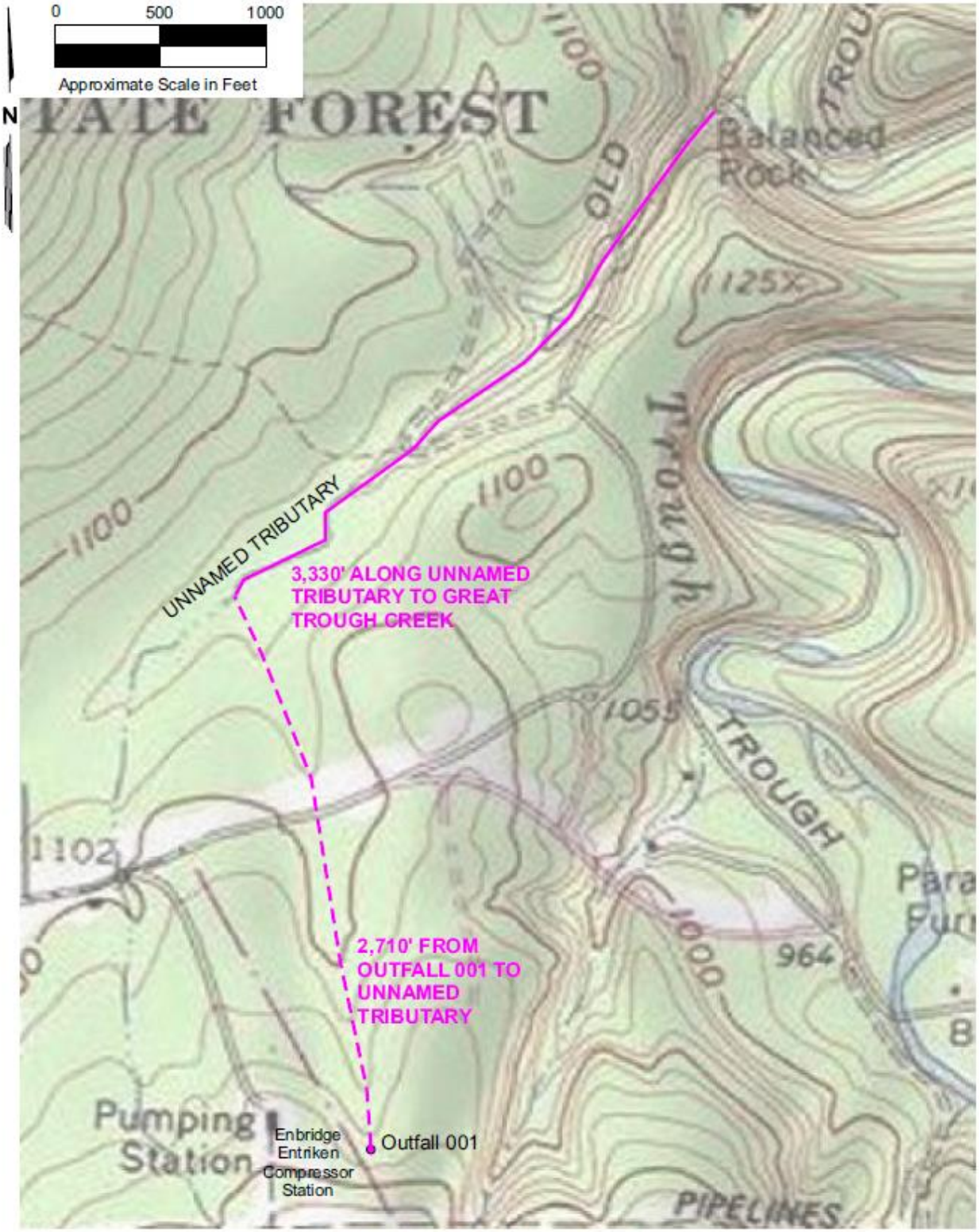
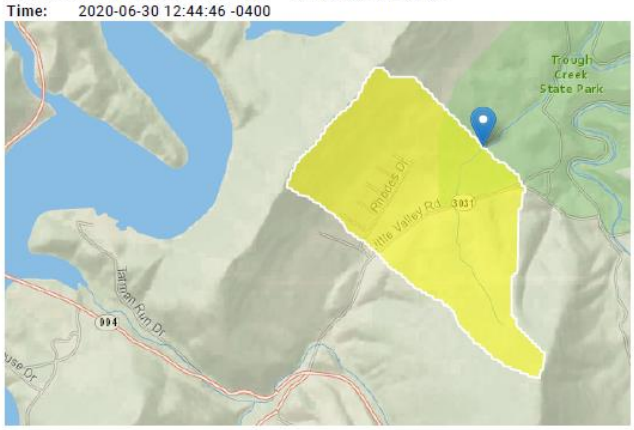


Figure 2 - Outfall 001 Location Map

Figure 2. Outfall 001 Location Map

StreamStats Report. PA0087866. Texas Eastern Transmission: Entriken Compressor Station

Region ID: PA
Workspace ID: PA20200630164429334000
Clicked Point (Latitude, Longitude): 40.31605, -78.13914
Time: 2020-06-30 12:44:46 -0400



Low-Flow Statistics Parameters[Low Flow Region 2]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.75	square miles	4.93	1280
PRECIP	Mean Annual Precipitation	37	inches	35	50.4
STRDEN	Stream Density	1.21	miles per square mile	0.51	3.1
ROCKDEP	Depth to Rock	4.1	feet	3.32	5.65
CARBON	Percent Carbonate	0	percent	0	99

Low-Flow Statistics Disclaimers[Low Flow Region 2]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors

Low-Flow Statistics Flow Report[Low Flow Region 2]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.0478	ft^3/s
30 Day 2 Year Low Flow	0.071	ft^3/s
7 Day 10 Year Low Flow	0.017	ft^3/s

Delineation at point where swale enters UNT to Great Trough Creek

https://streamstats.usgs.gov/ss/ 6/30/2020

Low-Flow Statistics Citations

Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (http://pubs.usgs.gov/sir/2006/5130/)

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Application Version: 4.3.11

Figure 3. USGS StreamStats: Pennsylvania. (Basin Delineation from June 30, 2020)

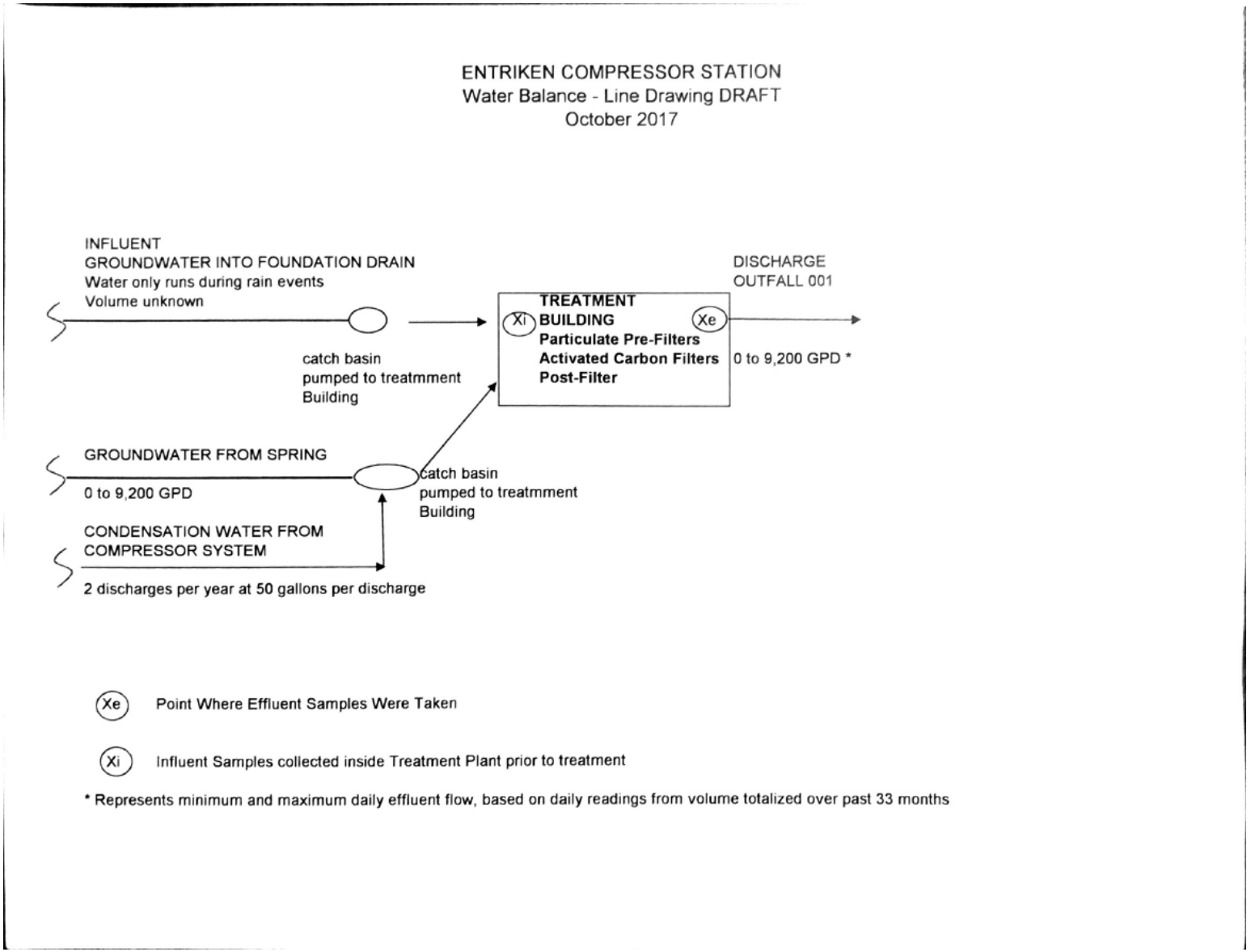
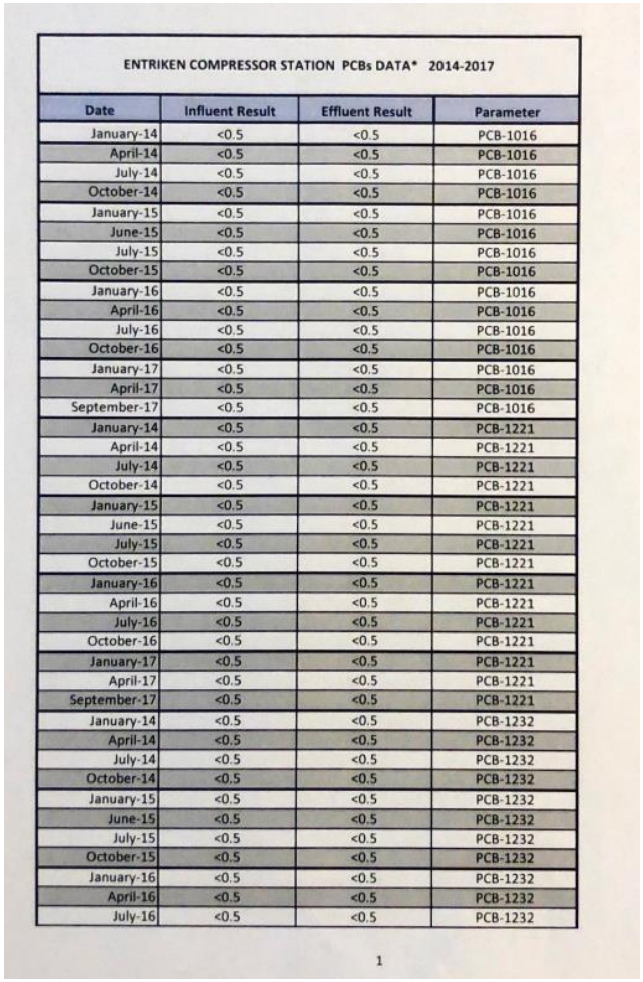


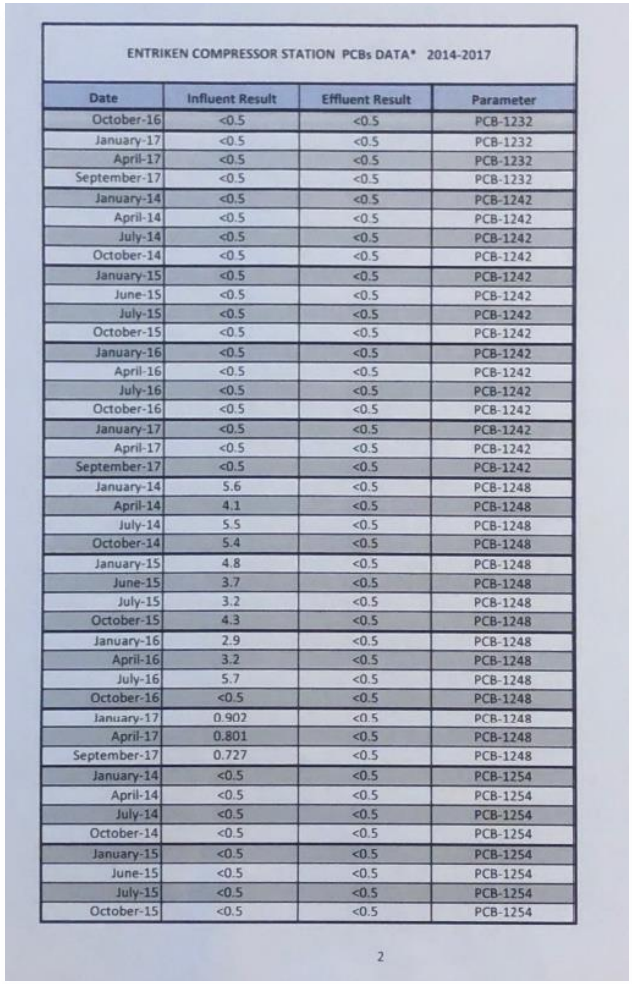
Figure 4. Water Balance Diagram for GWTS



ENTRIKEN COMPRESSOR STATION PCBs DATA* 2014-2017

Date	Influent Result	Effluent Result	Parameter
January-14	<0.5	<0.5	PCB-1016
April-14	<0.5	<0.5	PCB-1016
July-14	<0.5	<0.5	PCB-1016
October-14	<0.5	<0.5	PCB-1016
January-15	<0.5	<0.5	PCB-1016
June-15	<0.5	<0.5	PCB-1016
July-15	<0.5	<0.5	PCB-1016
October-15	<0.5	<0.5	PCB-1016
January-16	<0.5	<0.5	PCB-1016
April-16	<0.5	<0.5	PCB-1016
July-16	<0.5	<0.5	PCB-1016
October-16	<0.5	<0.5	PCB-1016
January-17	<0.5	<0.5	PCB-1016
April-17	<0.5	<0.5	PCB-1016
September-17	<0.5	<0.5	PCB-1016
January-14	<0.5	<0.5	PCB-1221
April-14	<0.5	<0.5	PCB-1221
July-14	<0.5	<0.5	PCB-1221
October-14	<0.5	<0.5	PCB-1221
January-15	<0.5	<0.5	PCB-1221
June-15	<0.5	<0.5	PCB-1221
July-15	<0.5	<0.5	PCB-1221
October-15	<0.5	<0.5	PCB-1221
January-16	<0.5	<0.5	PCB-1221
April-16	<0.5	<0.5	PCB-1221
July-16	<0.5	<0.5	PCB-1221
October-16	<0.5	<0.5	PCB-1221
January-17	<0.5	<0.5	PCB-1221
April-17	<0.5	<0.5	PCB-1221
September-17	<0.5	<0.5	PCB-1221
January-14	<0.5	<0.5	PCB-1232
April-14	<0.5	<0.5	PCB-1232
July-14	<0.5	<0.5	PCB-1232
October-14	<0.5	<0.5	PCB-1232
January-15	<0.5	<0.5	PCB-1232
June-15	<0.5	<0.5	PCB-1232
July-15	<0.5	<0.5	PCB-1232
October-15	<0.5	<0.5	PCB-1232
January-16	<0.5	<0.5	PCB-1232
April-16	<0.5	<0.5	PCB-1232
July-16	<0.5	<0.5	PCB-1232

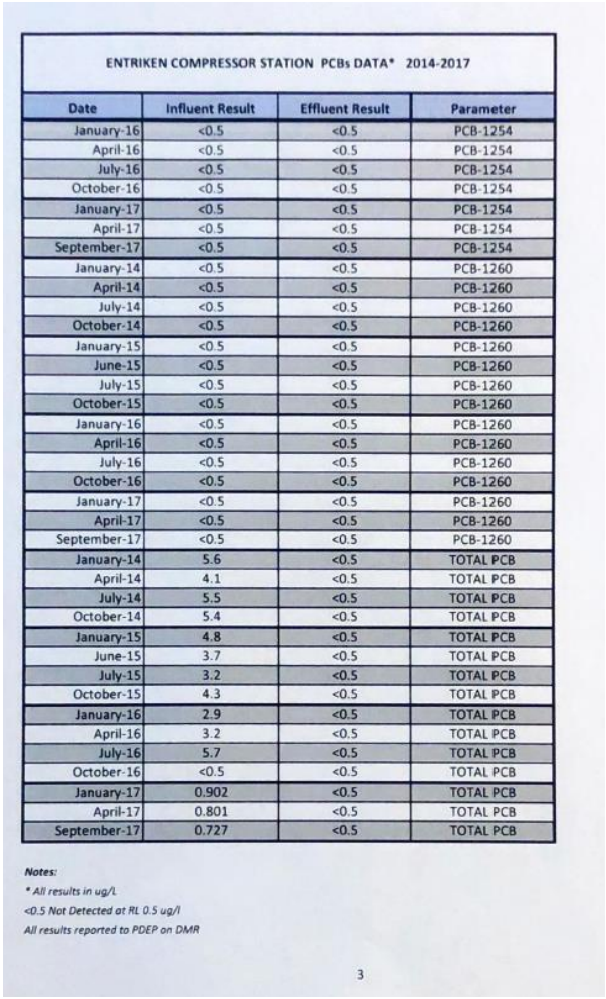
1



ENTRIKEN COMPRESSOR STATION PCBs DATA* 2014-2017

Date	Influent Result	Effluent Result	Parameter
October-16	<0.5	<0.5	PCB-1232
January-17	<0.5	<0.5	PCB-1232
April-17	<0.5	<0.5	PCB-1232
September-17	<0.5	<0.5	PCB-1232
January-14	<0.5	<0.5	PCB-1242
April-14	<0.5	<0.5	PCB-1242
July-14	<0.5	<0.5	PCB-1242
October-14	<0.5	<0.5	PCB-1242
January-15	<0.5	<0.5	PCB-1242
June-15	<0.5	<0.5	PCB-1242
July-15	<0.5	<0.5	PCB-1242
October-15	<0.5	<0.5	PCB-1242
January-16	<0.5	<0.5	PCB-1242
April-16	<0.5	<0.5	PCB-1242
July-16	<0.5	<0.5	PCB-1242
October-16	<0.5	<0.5	PCB-1242
January-17	<0.5	<0.5	PCB-1242
April-17	<0.5	<0.5	PCB-1242
September-17	<0.5	<0.5	PCB-1242
January-14	5.6	<0.5	PCB-1248
April-14	4.1	<0.5	PCB-1248
July-14	5.5	<0.5	PCB-1248
October-14	5.4	<0.5	PCB-1248
January-15	4.8	<0.5	PCB-1248
June-15	3.7	<0.5	PCB-1248
July-15	3.2	<0.5	PCB-1248
October-15	4.3	<0.5	PCB-1248
January-16	2.9	<0.5	PCB-1248
April-16	3.2	<0.5	PCB-1248
July-16	5.7	<0.5	PCB-1248
October-16	<0.5	<0.5	PCB-1248
January-17	0.902	<0.5	PCB-1248
April-17	0.801	<0.5	PCB-1248
September-17	0.727	<0.5	PCB-1248
January-14	<0.5	<0.5	PCB-1254
April-14	<0.5	<0.5	PCB-1254
July-14	<0.5	<0.5	PCB-1254
October-14	<0.5	<0.5	PCB-1254
January-15	<0.5	<0.5	PCB-1254
June-15	<0.5	<0.5	PCB-1254
July-15	<0.5	<0.5	PCB-1254
October-15	<0.5	<0.5	PCB-1254

2



ENTRIKEN COMPRESSOR STATION PCBs DATA* 2014-2017

Date	Influent Result	Effluent Result	Parameter
January-16	<0.5	<0.5	PCB-1254
April-16	<0.5	<0.5	PCB-1254
July-16	<0.5	<0.5	PCB-1254
October-16	<0.5	<0.5	PCB-1254
January-17	<0.5	<0.5	PCB-1254
April-17	<0.5	<0.5	PCB-1254
September-17	<0.5	<0.5	PCB-1254
January-14	<0.5	<0.5	PCB-1260
April-14	<0.5	<0.5	PCB-1260
July-14	<0.5	<0.5	PCB-1260
October-14	<0.5	<0.5	PCB-1260
January-15	<0.5	<0.5	PCB-1260
June-15	<0.5	<0.5	PCB-1260
July-15	<0.5	<0.5	PCB-1260
October-15	<0.5	<0.5	PCB-1260
January-16	<0.5	<0.5	PCB-1260
April-16	<0.5	<0.5	PCB-1260
July-16	<0.5	<0.5	PCB-1260
October-16	<0.5	<0.5	PCB-1260
January-17	<0.5	<0.5	PCB-1260
April-17	<0.5	<0.5	PCB-1260
September-17	<0.5	<0.5	PCB-1260
January-14	5.6	<0.5	TOTAL PCB
April-14	4.1	<0.5	TOTAL PCB
July-14	5.5	<0.5	TOTAL PCB
October-14	5.4	<0.5	TOTAL PCB
January-15	4.8	<0.5	TOTAL PCB
June-15	3.7	<0.5	TOTAL PCB
July-15	3.2	<0.5	TOTAL PCB
October-15	4.3	<0.5	TOTAL PCB
January-16	2.9	<0.5	TOTAL PCB
April-16	3.2	<0.5	TOTAL PCB
July-16	5.7	<0.5	TOTAL PCB
October-16	<0.5	<0.5	TOTAL PCB
January-17	0.902	<0.5	TOTAL PCB
April-17	0.801	<0.5	TOTAL PCB
September-17	0.727	<0.5	TOTAL PCB

Notes:

** All results in ug/L*

<0.5 Not Detected at RL 0.5 ug/l

All results reported to PDEP on DMR

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Figure 5. Entriken Compressor Station PCBs Data 2014-2017

Entriken CS 3 yr PCB Data - 2017 through 2019				
Parameter	Date	Influent Result, ug/l	Effluent Results, ug/l	Reporting Limit ug/l for both
Density - CoC - PCB-1016	1/9/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1016	4/6/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1016	9/21/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1016	11/7/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1016	3/15/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1016	6/12/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1016	9/10/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1016	12/5/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1016	3/7/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1016	5/21/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1016	7/25/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1016	10/31/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1221	1/9/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1221	4/6/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1221	9/21/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1221	11/7/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1221	3/15/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1221	6/12/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1221	9/10/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1221	12/5/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1221	3/7/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1221	5/21/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1221	7/25/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1221	10/31/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1232	1/9/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1232	4/6/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1232	9/21/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1232	11/7/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1232	3/15/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1232	6/12/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1232	9/10/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1232	12/5/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1232	3/7/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1232	5/21/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1232	7/25/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1232	10/31/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1242	1/9/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1242	4/6/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1242	9/21/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1242	11/7/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1242	3/15/2018 0:00	ND	ND	0.5

Entriken CS 3 yr PCB Data - 2017 through 2019				
Parameter	Date	Influent Result, ug/l	Effluent Results, ug/l	Reporting Limit ug/l for both
Density - CoC - PCB-1242	6/12/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1242	9/10/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1242	12/5/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1242	3/7/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1242	5/21/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1242	7/25/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1242	10/31/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1248	1/9/2017 0:00	0.902	ND	0.5
Density - CoC - PCB-1248	4/6/2017 0:00	0.801	ND	0.5
Density - CoC - PCB-1248	9/21/2017 0:00	0.727	ND	0.5
Density - CoC - PCB-1248	11/7/2017 0:00	0.516	ND	0.5
Density - CoC - PCB-1248	3/15/2018 0:00	0.92	ND	0.5
Density - CoC - PCB-1248	6/12/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1248	9/10/2018 0:00	1.34	ND	0.5
Density - CoC - PCB-1248	12/5/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1248	3/7/2019 0:00	0.73	ND	0.5
Density - CoC - PCB-1248	5/21/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1248	7/25/2019 0:00	0.527	ND	0.5
Density - CoC - PCB-1248	10/31/2019 0:00	0.589	ND	0.5
Density - CoC - PCB-1254	1/9/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1254	4/6/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1254	9/21/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1254	11/7/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1254	3/15/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1254	6/12/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1254	9/10/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1254	12/5/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1254	3/7/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1254	5/21/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1254	7/25/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1254	10/31/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1260	1/9/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1260	4/6/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1260	9/21/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1260	11/7/2017 0:00	ND	ND	0.5
Density - CoC - PCB-1260	3/15/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1260	6/12/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1260	9/10/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1260	12/5/2018 0:00	ND	ND	0.5
Density - CoC - PCB-1260	3/7/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1260	5/21/2019 0:00	ND	ND	0.5

Entriken CS 3 yr PCB Data - 2017 through 2019				
Parameter	Date	Influent Result, ug/l	Effluent Results, ug/l	Reporting Limit ug/l for both
Density - CoC - PCB-1260	7/25/2019 0:00	ND	ND	0.5
Density - CoC - PCB-1260	10/31/2019 0:00	ND	ND	0.5
Density - CoC - TOTAL PCB	1/9/2017 0:00	0.902	ND	0.5
Density - CoC - TOTAL PCB	4/6/2017 0:00	0.801	ND	0.5
Density - CoC - TOTAL PCB	9/21/2017 0:00	0.727	ND	0.5
Density - CoC - TOTAL PCB	11/7/2017 0:00	0.516	ND	0.5
Density - CoC - TOTAL PCB	3/15/2018 0:00	0.92	ND	0.5
Density - CoC - TOTAL PCB	6/12/2018 0:00	ND	ND	0.5
Density - CoC - TOTAL PCB	9/10/2018 0:00	1.34	ND	0.5
Density - CoC - TOTAL PCB	12/5/2018 0:00	ND	ND	0.5
Density - CoC - TOTAL PCB	3/7/2019 0:00	0.73	ND	0.5
Density - CoC - TOTAL PCB	5/21/2019 0:00	ND	ND	0.5
Density - CoC - TOTAL PCB	7/25/2019 0:00	0.527	ND	0.5
Density - CoC - TOTAL PCB	10/31/2019 0:00	0.589	ND	0.5

Figure 6. Entriken CS 3yr PCB Data – 2017 through 2019